

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IT 03/00783

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 H04Q7/34 H04L12/24

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 H04L H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 359 780 A (TELECOM ITALIA SPA) 5 November 2003 (2003-11-05) abstract paragraph '0005! - paragraph '0012! paragraph '0014! - paragraph '0020! claims 1-3	1-21
X	US 2002/145982 A1 (MOUCHTARIS PETROS ET AL) 10 October 2002 (2002-10-10) abstract paragraph '0006! - paragraph '0011!	1-21
Y	US 2003/061017 A1 (DOTARO EMMANUEL ET AL) 27 March 2003 (2003-03-27) abstract paragraph '0006! - paragraph '0013! paragraph '0051! - paragraph '0053! paragraph '0022! - paragraph '0027!	1-21
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

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- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

11 October 2004

Date of mailing of the international search report

18/10/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/104055 A (CALOCHIRA GIORGIO ; NANNICINI SAVERIO (IT); GORIA PAOLO (IT); SORBARA) 27 December 2002 (2002-12-27) abstract claims 1,2 page 4, line 4 - page 7, line 4	1-21

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IT 03/00783

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1359780	A	05-11-2003	IT T020020350 A1 EP 1359780 A1 US 2003204390 A1	22-10-2003 05-11-2003 30-10-2003
US 2002145982	A1	10-10-2002	NONE	
US 2003061017	A1	27-03-2003	FR 2830094 A1 EP 1300985 A2	28-03-2003 09-04-2003
WO 02104055	A	27-12-2002	IT T020010568 A1 CA 2449587 A1 EP 1396165 A1 WO 02104055 A1 US 2004172231 A1	16-12-2002 27-12-2002 10-03-2004 27-12-2002 02-09-2004